



CONSTRUCTION EQUIPMENT

SWO-06920 VOLVO A45G 352916 - REAR AXLE



Sample No: VCP435597
Oil Type: VOLVO PREMIUM GEAR OIL 85W-140 GL-5
Job No: SWO-06920



SAMPLE INFORMATION

Sample Number	VCP435597	VCP429388	VCP419132	VCP404635
Sample Date	26 Jan 2024	11 Oct 2023	25 Jul 2023	04 May 2023
Machine Hours	4034	3517	3005	2493
Oil Hours	0	0	0	0
Oil Changed	Changed	Not Changd	Not Changd	Not Changd
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	50.4	49.8	49.8	49.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	6	12	3
Sodium	ppm	2	4	3	2
Potassium	ppm	10	5	5	5

Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



WEAR METALS

Iron	ppm	173	140	201	167
Copper	ppm	3	2	1	<1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	0	<1	<1
Chromium	ppm	2	2	3	3
Molybdenum	ppm	11	8	12	12
Nickel	ppm	1	0	<1	1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	17	13	15	13
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	164	106	113	108
Magnesium	ppm	2	14	0	4
Zinc	ppm	91	45	53	47
Phosphorus	ppm	3135	2165	2524	2543
Barium	ppm	<1	0	0	0
Boron	ppm	321	203	242	230

Depot: SAIBIR
Unique No: 10858228
Signed: Sean Felton
Report Date: 02 Feb 2024



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GRAPHS

